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009141382 **Image available**

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1993-350829; 1994-118632; 1994-167818; 1994-176402; 1994-280096;
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1997-456965; 1998-031499; 1998-270792; 1998-321880; 1999-130598;
2000-440902; 2002-238193; 2003-246899; 2003-415468; 2003-554214

XRPX Acc No: N92-205588

**Flat-panel display fabrication - using pixel arrays which form light
valves or switches fabricated with control electronics in single
crystal
thin-film material**

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ZAVRACKY P M

Number of Countries: 017 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9212453	A1	19920723	WO 91US9770	A	19911231	199232 B
US 5206749	A	19930427	US 90636602	A	19901231	199318
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Priority Applications (No Type Date): US 90636602 A 19901231; US 91801885 A
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 19980406; US 2001812611 A 20010320; US 2002188342 A 20020701
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 US 4727047; US 4883561

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9212453	A1		86	G02F-001/136	
				Designated States (National): JP	
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SE					
US 5206749	A		28	G02F-001/1343	
EP 565588	A1 E		86		Based on patent WO 9212453
				Designated States (Regional): AT BE CH DE DK ES FR GB IT LI LU MC NL	
SE					
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					Div ex patent US 5206749
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Cont of application US 2001812611
Div ex patent US 5206749
Cont of patent US 5362671
Cont of patent US 5528397
Div ex patent US 5736768
Cont of patent US 6232136
Cont of patent US 6414783

Abstract (Basic): WO 9212453 A

Fabrication of the panel display involves forming a single crystal

semiconductor material on a supporting upstrate. An array of transistors and an array of pixel electrodes are formed in or on the

single crystal material to form a circuit panel. Each pixel is actuatable by one of the transistors.

A light transmitter material is positioned adjacent to the circuit

panel such that an electric field or signal generated by each pixel alters a light transmitting property of the material.

ADVANTAGE - Produces high quality image.

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Title Terms: FLAT; PANEL; DISPLAY; FABRICATE; PIXEL; ARRAY; FORM; LIGHT;

VALVE; SWITCH; FABRICATE; CONTROL; ELECTRONIC; SINGLE; CRYSTAL; THIN; FILM; MATERIAL

Derwent Class: P81; P85; U14

International Patent Class (Main): G02B-026/00; G02F-001/1335; G02F-001/1343; G02F-001/136; G02F-001/1368; H01L-021/00; H01L-021/20; H01L-021/70; H01L-027/01; H01L-033/00

International Patent Class (Additional): G02F-001/1333; G02F-001/1345; G09C-003/10; H01L-021/44; H01L-021/84; H01L-027/00; H01L-027/12; H01L-029/00; H01L-029/04; H01L-031/0392; H05B-033/12

File Segment: EPI; EngPI

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